

Title (en)  
ROSE CONTAINING FLAVONE AND MALVIDIN, AND METHOD FOR PRODUCTION THEREOF

Title (de)  
ROSE MIT FLAVON UND MALVIDIN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
ROSE CONTENANT UNE FLAVONE ET UNE MALVIDINE, ET SON PROCÉDÉ DE PRODUCTION

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Application  
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Abstract (en)  
The invention provides a rose characterized by comprising a flavone and malvidin added by a genetic modification method. The flavone and malvidin are typically produced by expression of a transferred flavone synthase gene, pansy flavonoid 3',5'-hydroxylase gene and anthocyanin methyltransferase gene. The flavone synthase gene is, for example a flavone synthase gene of the family Scrophulariaceae, and specifically it may be the flavone synthase gene of snapdragon of the family Scrophulariaceae, or the flavone synthase gene of torenia of the family Scrophulariaceae. The flavonoid 3',5'-hydroxylase gene is, for example, the pansy flavonoid 3',5'-hydroxylase gene. The anthocyanins methyltransferase gene is, for example, the methyltransferase gene of torenia of the family Scrophulariaceae.

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